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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/498,505	01/28/2000	Silvano Maffeis	FREIP038US	8901

21121 7590 06/02/2003

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EXAMINER

JAROENCHONWANIT, BUNJOB

ART UNIT	PAPER NUMBER
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2141

DATE MAILED: 06/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application N .

09/498,505

Applicant(s)

MAFFEIS ET AL.

Examin r

Bunjob Jaroenchonwanit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 January 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. The restriction requirement presented in the previous office action is vacated.
2. This application has been reviewed. Original claims 1-12 are pending, the objections and rejections cited are as stated below.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 4 and 5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
5. The language of claims 4 and 5 contains pronoun "it" in line 1, which renders claims indefinite. It is suggested that the pronoun language should be replaced by specific name of the element that applicant intended to refer, thereto.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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7. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art (AAPA) and Kumar et al. (US. 6,343,287).

8. As to claims 1-3, 8, 11 and 12, as admitted by the applicant that JAVA messages service (JMS), message client, message server, which implementing at least one transport protocol were prior arts, (spec. page 1, lines 8-25; Col. 5, lines 14-20), the AAPA further admitted using JAVA existing liked mechanisms such as JAVA API, JNDI, JINI (spec. pg 6, lines 4-11). Only issue, that AAPA fails to disclose is pluggable logic at run time message sever.

In an analogous art, Kumar discloses a method and apparatus comprising a server for distributing data in various formats to various client devices with various transport protocols, regardless of client characteristics. The system comprises a lightweight core profile engine (301 in FIG. 3), which employs multiple "pluggable" interfaces for enhancing and extending runtime system adaptability and providing services in various functionalities, programs and/or protocols, in addition to the readily built in essential functions (Col. 6, lines 18-28, lines 43-52; Col. 8, lines 39-53). Furthermore, Kumar employed the similar concept of using Java liked mechanisms, e.g., JAVA API for attaching plug-in, i.e., pluggable, for supporting other transport protocols (Col. 10, lines 6-37; Col. 11, 28-65; Col. 12, lines 11-40).

It would have obvious to one of ordinary skill in the art at the time of the invention was made to been obvious to modify a prior JMS system with Kumar plug-in mechanisms concept to enable the JMS to provide various protocol service in order to enhance the system capabilities. Because such enhancement would increase the JMS flexibility, enable the JMS to operate and support heterogeneous messaging services. Such flexibility would add on marketing values,

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making the system become more attractive to the end users, thereby it would be easier to compete and market the product.

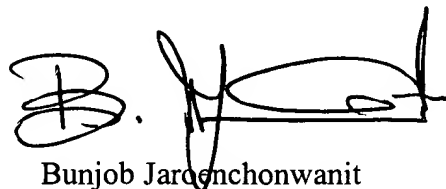
9. Claims 4-7, 9 and 10, AAPA-Kumar discloses plugable adapter for converting command, information format of message between client and server, regardless of Java or Non-Java client (Col. 10, lines 6-37).

10. Examiner noted that language of the claims, as written, contained a number of relative terms and list of exclusive elements, which anyone element in the list can be used for claims rejection.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (703) 305-9673. The examiner can normally be reached on 8:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (703) 308-5221. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3800.



Bunjob Jaroenchonwanit
Examiner
Art Unit 2141

/bj
May 29, 2003